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MISR instrument status and engineering model calibration

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MISR will provide global data sets with nine discrete view directions per scene. The team has just completed testing of an engineering model. Unique to the MISR instrument is its use of detector standards for both preflight and in-flight calibration. Radiometric coefficients are obtained by acquiring camera data through a range of input radiance values. Fidelity interval analysis computes the uncertainty in calibration due to source limitations, and verification is provided via round-robin exercises with other EOS investigators. The MISR performance testing program is summarized here, and engineering model data are used to verify the MISR instrument design,